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Substitute for form 1449A/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/785,436		
		Filing Date	February 20, 2001		
		First Named Inventor	Shinji TAKEDA		
		Art Unit	2813		
		Examiner Name	GEYER, Scott		
Sheet	1	of	5	Attorney Docket Number	TM&K0007

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
506	A	US- 4,358,581	11-09-1982	Sutton, Jr.	
	B	US- 4,656,238	04-07-1987	Kunimune et al.	
	C	US- 4,965,331	10-23-1990	Jackson et al.	
	D	US- 5,234,522	08-10-1993	Suzuki et al.	
	E	US- 5,296,567	03-22-1994	Baumann et al.	
	F	US- 5,728,473	03-17-1998	Inoue et al.	
	G	US- 5,277,972	01-11-1994	Sakumoto et al.	
	H	US- 5,659,004	08-19-1997	Takigawa et al.	
	I	US- 5,238,730	08-24-1993	Hanawa et al.	
	J	US- 5,827,908	10-27-1998	Arai et al.	
	K	US- 6,372,080 B1	04-16-2002	Matsuura et al.	
	L	US- 2001/0015484	08-23-2001	Matsuura et al.	
	M	US- 4,875,279	10-24-1989	Sakiadis	
	N	US- 4,985,105	1-15-1991	Masuda	
	O	US- 5,145,099	09-08-1992	Wood et al.	
	P	US- 5,177,032	01-05-1993	Fogal et al.	
	Q	US- 5,204,399	04-20-1993	Edelman	
	R	US- 5,360,942	11-01-1994	Hoffman et al.	
	S	US- 5,432,380	07-11-1995	Jin et al.	
	T	US- 5,512,628	04-30-1996	Sakumoto et al.	

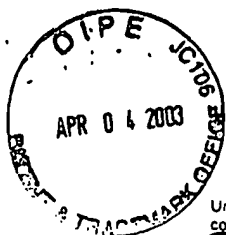
FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
506	U	JP	7-90239	04-04-1995	Sumitomo Bakelite Co.	
	V	JP	256251	10-17-1990	Matsushita Electron Co.	
	W	JP	54-12266	01-29-1979	Matsubishi Electric Co.	
	X	JP-A	54-138371	10-26-1979	NEC Home Electronics	Abstract Only
	Y	JP	60-145630	08-01-1985	NEC Corp.	
	Z	JP	06-104300	04-15-1994	Fujitsu Ltd.	
	AA	JP	06-326240	11-25-1994	Hitachi Cable Ltd.	
	AB	JP	5-218107	08-27-1993	Hitachi Ltd.	
	AC	JP	2-256251	10-17-1990	Matsushita Electron Co.	
	AD	JP	5-331424	12-14-1993	Sumitomo Bakelite Co.	

Examiner Signature	<i>LAB. 13</i>	Date Considered	5/4/03
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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			First Named Inventor	Shinji TAKEDA	
(use as many sheets as necessary)			Art Unit	2813	
			Examiner Name	GEYER, Scott	
Sheet	2	of	5	Attorney Docket Number	TM&K0007

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		Number - Kind Code <sup>2</sup> (if known)			
SBC	AE	us- 5,528,075	06-18-1996	Burns	
	AF	us- 5,635,009	06-03-1997	Kawamura et al.	
	AG	us- 5,793,099	08-11-1998	Murakami et al.	
	AH	us- 5,837,368	11-17-1998	Hiroe et al.	
	AI	us- 5,319,005	06-07-1994	Hagiwara et al.	
	AJ	us- 6,046,072	04-04-2000	Matsuura et al.	
	AK	us- 6,248,613 B1	06-19-2001	Matsuura et al.	
	AL	us- 5,476,908	12-19-1995	Kishi et al.	
	AM	us- 5,250,637	10-05-1997	Shiobara et al.	
	AN	us- 4,581,096	04-08-1986	Sato	
	AO	us- 4,933,219	06-12-1990	Sakumoto et al.	
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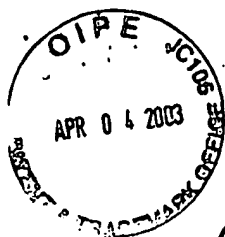
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		Country Code <sup>3</sup>	Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
SBC	AP	JP-5-	125337	05-21-1993	Sumitomo Bakelite Co.	
	AQ	JP-5-	152386	06-18-1993	Sumitomo Metal Minin	
	AR	JP-5-	152466	10-05-1993	Shinetsu Chemical Co.	
	AS	JP-5-	335379	12-17-1993	Toray Ind. Inc.	
	AT	JP-3-	228	01-07-1991	Hitachi Cable Ltd.	
	AU	JP-62-	141038	09-05-1987		
	AV	JP-60-	38825	09-05-1987	Sumitomo Metal Minin	
	AW	JP-58-	222530	12-24-1983	Hitachi Seisakushokk	
	AX	JP-6-	218880	08-09-1994	Mitsui Toatsu Chem In	
	AY	JP-6-	264035	09-20-1994	Hitachi Chem Co. Ltd.	

Examiner Signature	<i>[Signature]</i>	Date Considered	5/4/03
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		First Named Inventor	Shinji TAKEDA		
		Art Unit	2813		
		Examiner Name	GEYER, Scott		
Sheet	3	of	5	Attorney Docket Number	TM&K0007

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		Number - Kind Code 2 (if known)			
		US-			
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		Country Code 3	Number 4 - Kind Code 2 (if known)			
SBL	AZ	JP-6-	145639	05-27-1994	Hitachi Chem Co. Ltd.	
	BA	JP-58-	57730	04-06-1983	Nihon Shiyashiri Insats	
	BB	JP-64-	19735	06-12-1990	Tomocogawa Paper Co.	
	BC	JP-64-	22744	02-06-1989		
	BD	JP-1-	165635	11-20-1989		
	BE	JP-2-	256251	10-17-1990	Matsushita Electron Co	
	BF	JP-6-	104300	04-15-1994	Fujitsu Ltd.	
	BG	JP-60-	145630	08-01-1985	Nippon Denki KK	
	BH	JP-31-	179791	10-06-2000	Hitachi Chem Co. Ltd.	
	BI	JP-32-	15014	07-27-2001	Hitachi Chem Co. Ltd.	

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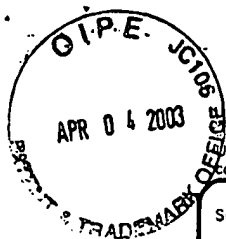
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JOC	BJ	EP 0 837 498 A1	04-22-1998	Hitachi Chem Co., Ltd.		

Examiner Signature	<i>W. B.</i>	Date Considered	5/4/03
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		First Named Inventor	Shinji TAKEDA		
		Group Art Unit	2813		
		Examiner Name	GEYER, Scott		
Sheet	5	of	5	Attorney Docket Number	TM&K0007

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
506	BK	Japanese Appln. No. 2000-346979 - Notice of Reason For Refusal mailed on 10/22/2002 together with English Translation	
	BL	References cited in an opposition in Japanese Patent No. 3215014	
	BM	Fig. 1 (Water Absorption (volume %), Saturation Moisture Absorption)	
	BN	Surface Energy, page 538, Chemical Dictionary 7, Kyoritsu Publishing Co.	
	BO	Thermodynamic Equilibrium of Wetting, page 1235, Chemical Handbook Applied Chemistry II, October 15, 1986, Maruzen Co.	
	BP	"Rubber Elastomer Utility Notes", relates to types of rubber and their chemical structure and properties, July 20, 1991.	

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